

Hunters Point Naval Shipyard BCT Meeting







Presentation Overview



- RA Implementation Update
 - Shoreline Revetment
 - Polylactate Injection at IR-10
 - Building Foundation Repairs
 - Soil Cover
 - SVE in Building 123
- RA Schedule Update
- RA Photos





Shoreline Revetment

- Imported 12,000 tons of rip rap (by barge) and 5,200 tons of filter rock by truck for revetment construction (100% of total)
 - Barging rip rap saved 1,067 truck trips through the community
- Constructed ~1,600 of 1,830 LF of revetment (87% of total)
- 230 feet of revetment remaining to be constructed within Combined Sites Area





Polylactate Injection at IR-10

- Cored Bldg. 123 concrete slab for polylactate injections
- Injected 6,290 lbs. of polylactate (25% HRC Primer and 75% HRC) into 45 injection points (Feb/Mar)
- Collected post-injection groundwater samples 5 weeks after injection
- Samples will be analyzed to determine if the injections shifted the plume and if bioremediation is occurring (data expected late April)
- Performing biofouling inspections periodically for 3 months following injections (no biofouling to date)





Building Foundation Repairs

- Inspected all building foundations to identify cracks, holes, trenches, and penetrations
- Completed building foundations repairs, including:
 - Grouting penetrations
 - Filling cracks and holes with mortar or concrete
 - Excavating top 6" of soil in trenches and backfilling with 4" AB and 2" AC
- Remaining work includes covering crawl space openings with wire mesh





Soil Cover

- Completed tree removal and clearing/grubbing
 - Mulched trees for reuse as BMP
- Completed hillslope excavation to tie soil cover into surrounding grades
- Imported 16,800 tons of clean fill by barge
 - Barging clean soil saved 1,493 truck trips through the community
- Installed ~15,000 tons of 2-foot soil cover (89% complete)
- Hydroseeded and hydromulched 2 acres of cover
- Remaining work includes completing soil installation, 1.5 acres of hydroseeding/hydromulching, erosion control blanket/CTRM installation, and vegetation establishment (irrigation)



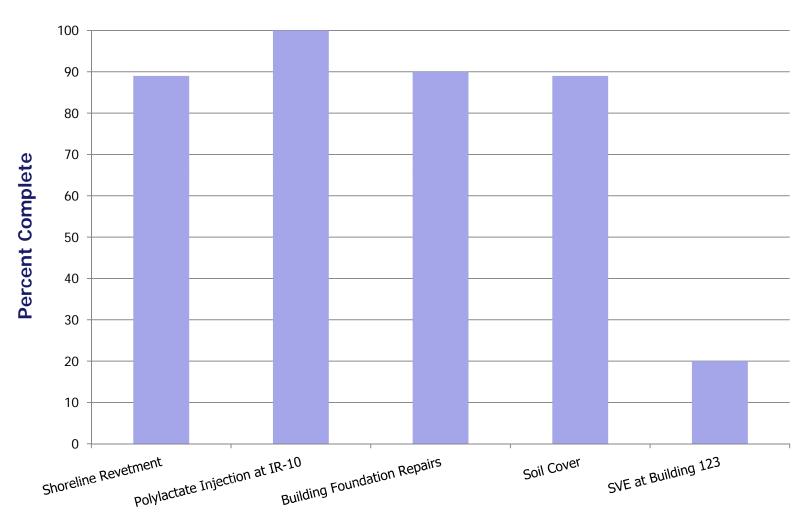


SVE at Building 123

- Mobilized SVE treatment system components for system expansion (2 x 2,000 lb. GAC units, piping, and valves)
- Drilled and installed new SVE wells and monitoring probes
- Completed baseline sampling (60 SVE wells and vapor monitoring wells)
- Mapped baseline data to establish current soil gas conditions
- Will host a Triad meeting to present baseline data and discuss strategy for system startup, operation, and monitoring
- Strategy will ensure efficient operation and performance of the system
- System commissioning and startup following Triad concurrence







Remedial Action Tasks



RA Schedule Update



Construction Schedule

Mobilization and Site Preparation:
 Nov 5, 2012 – Nov 12, 2012

Revetment Construction:
 Nov 12, 2012 – Jan 17, 2013

Polylactate Injection: Feb 22, 2013 – Mar 3, 2013

Foundation Inspections and Repairs: Jan 17, 2013 – May 5, 2013

SVE System Setup and Operation:
 Mar 4, 2013 – TBD

Soil Cover Installation:
 Feb 22, 2013 – Jun 4, 2013

• Grading: May 6, 2013 – July 3, 13

Asphalt Cover Installation:
 Jun 17, 2013 – Sep 10, 2013

Fence and Settlement Monument Installation: Sep 11, 2013 – Sep 17, 2013

Site Cleanup, Final Survey, and Demobilization: Sep 11, 2013 – Sep 17, 2013

Revetment Construction at Combined Site: TBD



RA Photos Barge Offloading Rip Rap (Typ.)





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RA Photos Completed Revetment Structure







RA Photos IR-26 Revetment Completed to TPH AOC





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RA Photos Injection Tool Installation Using Direct Push Rig (Typ.)







RA Photos Polylactate Injection (Typ.)







RA Photos Repaired Cracks/Holes in Building Foundation (Typ.)







RA Photos Grouted Penetrations in Building Foundation (Typ.)





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RA Photos Excavation of Soil in Building Trench (6-inch Depth, Typ.)





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RA Photos Installation of 4 inches of AB in Building Trench (Typ.)







RA Photos Installation of 2 inches of AC in Building Trench (Typ.)





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RA Photos Barge Offloading Clean Fill (Typ.)







RA Photos Hillslope Excavation Behind Buildings 103/104







RA Photos Soil Cover Installed Behind Buildings 103/104







RA Photos Excavated Hillslope (Typ.)







RA Photos Hillslope Excavation Behind Retaining Wall







RA Photos Installed Soil Cover (Typ.)





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RA Photos Soil Cover Along Robinson/Galvez







RA Photos Hydroseeded and Hydromulched Hillslope







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RA Photos Hydroseeded and Hydromulched Hillslope





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RA Photos SVE and Vapor Monitoring Wells Installed in Bldg. 123







RA Photos Soil Gas Sampling Equipment (Typ.)





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RA Photos Soil Gas Baseline Sample Collection (Typ.)



